|              |                                                                                                               |            |               |          |                                         |               |              |                   |                              |          |           |                 |                   | 10/609,417       |                  |               |          |                 |     |          |            |                 |          | LECLERC ET AL.    |          |          |          |           |  |  |
|--------------|---------------------------------------------------------------------------------------------------------------|------------|---------------|----------|-----------------------------------------|---------------|--------------|-------------------|------------------------------|----------|-----------|-----------------|-------------------|------------------|------------------|---------------|----------|-----------------|-----|----------|------------|-----------------|----------|-------------------|----------|----------|----------|-----------|--|--|
|              |                                                                                                               |            |               |          |                                         |               |              |                   |                              |          |           |                 | E                 | Examiner         |                  |               |          |                 |     |          |            |                 | Art Unit |                   |          |          |          |           |  |  |
|              | 1 (4 0 ) (1 0 )   0 0   1 0 0   1 0 0   1 0 0   1 0 0   1 0 0   1 0 0   1 0 0   1 0 0   1 0 0   1 0 0   1 0 0 |            |               |          |                                         |               |              |                   |                              |          |           |                 | Т                 | Timothy M. Brown |                  |               |          |                 |     |          |            |                 | 1648     |                   |          |          |          |           |  |  |
| <del>_</del> | THIN                                                                                                          |            |               |          |                                         |               |              |                   |                              |          |           |                 |                   |                  | Tanodiy in Diomi |               |          |                 |     |          |            |                 |          |                   |          |          |          |           |  |  |
|              |                                                                                                               | √ Rejected |               |          |                                         |               |              | -                 | (Through numera<br>Cancelled |          |           |                 | ral)              | al)              |                  | N             | Non-E    |                 |     | ected    |            | Α               | Appeal   |                   |          |          |          |           |  |  |
|              |                                                                                                               |            | = Allowed     |          |                                         | d             |              | +                 | Restricted                   |          |           |                 |                   |                  |                  | I Interferenc |          |                 | nce | се       |            | Objected        |          |                   |          |          |          |           |  |  |
| ı            | Cla                                                                                                           | Claim Date |               |          |                                         |               |              |                   |                              |          |           |                 |                   | _                |                  |               |          | $\neg$          |     |          |            | 1               | Date     |                   |          |          | _        |           |  |  |
|              | Ciż                                                                                                           |            | 3             |          | Τ,                                      | Jale          | $\top$       | ГТ                |                              |          | aim<br>T  | <del> </del>    | $\overline{\Box}$ |                  | ate              | $\overline{}$ | $\neg r$ | Н               |     | ۲        | aim_       | $\vdash$        |          | Т                 | Jate     |          | ТТ       | $\dashv$  |  |  |
|              | Final                                                                                                         | Original   | 3/4/65        | _        |                                         |               |              |                   |                              | Final    | Original  |                 |                   |                  |                  |               |          |                 |     | Final    | Original   |                 |          |                   |          |          |          |           |  |  |
|              |                                                                                                               | 1          | او            | -        | -                                       | -             | +            | H                 | -                            |          | 51        |                 | ļ.:               | -                | <u>·</u>         | +             | <u> </u> |                 |     |          | 101        | $\vdash$        | +        | +                 | 4        |          | +        |           |  |  |
|              |                                                                                                               | 2          | -c<br>-i      | _        | $\dagger$                               | $\vdash$      | +-           | $\vdash$          | -                            |          | 52        | -               | $\vdash$          | $\dashv$         | $\dagger$        | $\dashv$      | +        | $\vdash$        |     |          | 102        | H               | $\dashv$ | $\vdash$          | $\dashv$ | $\dashv$ | +        | $\dashv$  |  |  |
| ,a \         |                                                                                                               | 3          | I             |          |                                         |               | 工            |                   |                              |          | 53        |                 |                   |                  |                  | $\perp$       |          |                 |     |          | 103        |                 |          |                   |          |          |          |           |  |  |
| 1 Je         |                                                                                                               | 5          | $\mathbb{H}$  |          |                                         |               | +            | Н                 | -                            |          | 54<br>55  | $\vdash \vdash$ | $\vdash$          | $\perp$          | 4                |               |          | $\vdash \vdash$ |     |          | 104<br>105 | $\vdash \vdash$ |          | $\vdash$          | $\dashv$ | _        | +        |           |  |  |
| 2 Hero       |                                                                                                               | 6          | Н             | -+       | +                                       | -             | ╁            | H                 | -                            |          | 56        | $\vdash$        | +                 | +                | +                |               | +-       | Н               |     |          | 105        | $\vdash$        | -        | $\vdash$          |          | +        | ++       | $\dashv$  |  |  |
| 25/4/05      |                                                                                                               | 7          |               |          |                                         |               | 1            |                   |                              |          | 57        |                 |                   |                  |                  |               |          |                 |     |          | 107        | П               |          | П                 | T        |          |          |           |  |  |
| 14/0         |                                                                                                               | 8          | П             |          |                                         |               |              | П                 |                              |          | 58        |                 |                   | $\Box$           | $\perp$          | $\Box$        |          |                 |     |          | 108        |                 |          | П                 |          |          |          |           |  |  |
| <b>5</b> \'` |                                                                                                               | 9<br>10    | H             | +        | -                                       | +             | +            | $\vdash$          | -                            |          | 59<br>60  |                 |                   |                  | +                | +             | -        | Н               |     | <u> </u> | 109<br>110 | $\vdash$        |          | +                 | $\dashv$ |          |          | $\dashv$  |  |  |
| A. C.        |                                                                                                               | 11         | Н             | $\dashv$ |                                         | +             | +            |                   | -                            |          | 61        | $\vdash \vdash$ | $\vdash$          | ┰                | $^{\dagger}$     | $\dashv$      | +        | H               |     | -        | 111        | $\vdash$        | $\dashv$ | $\vdash$          | 十        |          |          | $\dashv$  |  |  |
| 15           |                                                                                                               | 12         | П             |          |                                         |               |              |                   |                              |          | 62        |                 |                   |                  | 1                |               |          |                 |     |          | 112        |                 |          | П                 |          |          |          |           |  |  |
| •            |                                                                                                               | 13         | Ш             | _        |                                         |               | +            | $\vdash$          | -                            |          | 63        |                 | Н                 | _                | +                | 4             |          | Ш               |     |          | 113        | Ш               | $\perp$  | $\sqcup$          | _        |          |          | _         |  |  |
|              |                                                                                                               | 14<br>15   | H             | +        | +                                       |               | +-           | $\vdash$          | -                            |          | 64<br>65  | -               | $\vdash$          | -+               | +                | +             | +        | H               |     |          | 114<br>115 | Н               | $\dashv$ | +                 | $\dashv$ |          |          | $\dashv$  |  |  |
|              |                                                                                                               | 16         |               |          |                                         |               |              |                   |                              |          | 66        |                 |                   |                  | 1                |               |          |                 |     |          | 116        | $\Box$          |          |                   | 寸        |          |          | $\exists$ |  |  |
|              |                                                                                                               | 17         | I             |          |                                         | $\Box$        | 1            |                   |                              |          | 67        |                 |                   |                  | $\perp$          | $\Box$        | $\perp$  |                 |     |          | 117        |                 |          |                   | $\Box$   |          |          |           |  |  |
|              |                                                                                                               | 18<br>19   | *             | $\dashv$ | +                                       | +             | ┿            | $\vdash$          | -                            |          | 68<br>69  |                 | -                 | -+               | +                | +             | -        |                 |     |          | 118<br>119 | $\vdash$        | -        | $\vdash$          | $\dashv$ | _        | $\dashv$ | _         |  |  |
| _            |                                                                                                               | 20         |               | $\dashv$ | $\dagger$                               | +             | +            |                   | -                            |          | 70        | $\vdash$        | H                 | ╅                | +                | $\dashv$      | +        | Н               |     | -        | 120        | Н               | $\dashv$ | ╁┼                | 十        | +        | +        | $\dashv$  |  |  |
|              |                                                                                                               | 21         | $\Box$        |          |                                         |               | $\perp$      | П                 |                              |          | 71        |                 |                   |                  | $\perp$          | $\Box$        |          |                 |     |          | 121        | П               |          |                   | $\Box$   |          | $\Box$   | $\Box$    |  |  |
|              |                                                                                                               | 22<br>23   | $\vdash$      | -        | +                                       |               | +            | H                 | -                            | <u> </u> | 72<br>73  | -               | $\vdash$          |                  | +                | -             | -        | Н               |     | <u> </u> | 122<br>123 |                 |          | $\vdash$          | -        | +        | $\dashv$ | _         |  |  |
|              |                                                                                                               | 24         | $\rightarrow$ | $\dashv$ | +                                       | $\vdash$      | +-           | $\vdash$          | -                            |          | 74        | $\vdash\vdash$  | $\vdash$          | -                | $^{+}$           | +             |          | Н               |     | <u> </u> | 123        | $\vdash$        |          | $\vdash$          | -        | ╅        | +        | -         |  |  |
|              |                                                                                                               | 25         |               |          |                                         |               |              |                   |                              |          | 75        |                 |                   |                  | 1                | 土             |          |                 |     |          | 125        |                 |          |                   |          | 士        |          |           |  |  |
|              |                                                                                                               | 26         |               |          | 1                                       |               | -            |                   | _                            |          | 76        |                 | Ш                 |                  | 1                |               |          | Ш               |     |          | 126        | Ш               |          | Ш                 | 4        |          | $\prod$  | $\Box$    |  |  |
|              |                                                                                                               | 27<br>28   |               | +        | +                                       | +             | -            | ╁                 | -                            |          | 77<br>78  |                 | Н                 |                  | ╁                | +             | -        | Н               |     |          | 127<br>128 | Н               |          | H                 | -        |          |          | $\dashv$  |  |  |
|              |                                                                                                               | 29         |               | +        | $\top$                                  | $\neg \vdash$ | $\top$       | $\dagger \dagger$ | -                            |          | 79        |                 | $\Box$            | $\dashv$         | $\dagger$        |               |          | H               |     |          | 129        | H               | $\dashv$ |                   | 1        | +        | 1        | $\dashv$  |  |  |
|              |                                                                                                               | 30         |               |          |                                         |               |              |                   |                              |          | 80        |                 | П                 |                  | $\perp$          |               |          |                 |     |          | 130        |                 |          |                   |          |          |          |           |  |  |
|              |                                                                                                               | 31<br>32   | -             | +        | +                                       |               | -            | $\vdash$          |                              |          | 81<br>82  | -               | -                 | +                | +                | +             |          | 닏               |     |          | 131<br>132 | $\vdash$        | -        |                   | 4        | +        | +        | $\dashv$  |  |  |
|              |                                                                                                               | 33         | $\dashv$      | +        | +                                       |               | <del> </del> | $\vdash$          | -                            |          | 83        | $\vdash$        | H                 | +                | $^{+}$           | $\dagger$     | +        | Н               |     |          | 133        |                 | _        | ╁╌                | +        | $\pm$    | +        | $\dashv$  |  |  |
|              |                                                                                                               | 34         |               |          | $\perp$                                 |               |              | П                 |                              |          | 84        |                 | П                 |                  | 1                |               |          |                 |     |          | 134        |                 |          |                   | $\Box$   |          |          | $\Box$    |  |  |
|              |                                                                                                               | 35<br>36   | _             | _        | +                                       |               | -            | - -               | -                            |          | 85        |                 | $\sqcup$          | +                | 4                |               |          | Н               |     |          | 135        |                 | $\perp$  | H                 | 4        |          | - -      | _         |  |  |
| 1            | -                                                                                                             | 37         | $\dashv$      | +        | +                                       |               | +            | H                 | -                            |          | 86<br>87  | $\vdash$        | ╁╌┤               | +                | +                |               | +        | Н               |     |          | 136<br>137 | Н               | +        | $\vdash$          | $\dashv$ | +        |          | $\dashv$  |  |  |
|              |                                                                                                               | 38         |               |          |                                         |               |              |                   |                              |          | 88        |                 |                   |                  | T                | +             |          | Н               |     |          | 138        |                 | $\top$   | П                 | $\dashv$ | +        | 11       | $\dashv$  |  |  |
|              |                                                                                                               | 39         |               |          | $\perp$                                 |               |              | Ц                 | _                            |          | 89        |                 |                   | _                | 1                | 1             |          | Ц               |     |          | 139        |                 | $\perp$  |                   | $\perp$  | $\perp$  |          | $\Box$    |  |  |
|              | $\dashv$                                                                                                      | 40<br>41   | $\dashv$      | +        | +                                       | +             | +            | $\vdash$          | -                            |          | 90<br>91  | -+-             | ╀┤                | +                | +                | +             | +        | Н               |     |          | 140<br>141 | $\vdash$        | +-       | ╁┼                | +        | +        | ++       | $\dashv$  |  |  |
| ŀ            |                                                                                                               | 42         |               |          | $\perp \vdash$                          | _             | 1            | $\vdash \vdash$   |                              |          | 92        | $\vdash$        |                   | -                | +                | +             | +-       | H               |     |          | 142        |                 | +        | $\dagger \dagger$ | +        | +        | +        | $\dashv$  |  |  |
|              |                                                                                                               | 43         |               |          | П                                       |               |              |                   |                              |          | 93        |                 |                   | $\perp$          | 1                | $\perp$       |          | 口               |     |          | 143        | 口               |          |                   |          | $\perp$  |          | $\Box$    |  |  |
| }            |                                                                                                               | 44<br>45   | 4             | -        | +                                       | -1-           | +            | $\vdash$          | -                            |          | 94<br>95  |                 | $\vdash$          | +                | +                | 4             | +        | Н               |     |          | 144        | $\vdash \vdash$ |          |                   | 4        | -        | 1        | 4         |  |  |
|              |                                                                                                               | 46         | $\dashv$      | +        | +                                       | +             | +            | $\vdash$          | -                            |          | 96        | $\vdash$        | $\vdash$          | +                | +                | +             | +        | Н               |     |          | 145<br>146 | $\vdash \vdash$ | $\dashv$ | $\vdash$          | +        |          | ++       | $\dashv$  |  |  |
|              |                                                                                                               | 47         |               |          |                                         |               |              |                   |                              |          | 97        |                 |                   | 士                | İ                | 士             |          |                 |     |          | 147        |                 |          | 口                 | _        | 士        | $\perp$  | $\exists$ |  |  |
| [            |                                                                                                               | 48         | $\neg$        |          | $\Box$                                  | $\Box$        | П            | H                 | ااااا                        |          | 98        |                 | П                 | $\bot$           | Ţ                | $\downarrow$  | $\perp$  |                 |     |          | 148        |                 | $\bot$   |                   | Ţ        | $\bot$   | $\Box$   | $\Box$    |  |  |
| }            |                                                                                                               | 49<br>50   | $\dashv$      | +        | +                                       | +             | $\vdash$     | $\vdash \vdash$   | -                            |          | 99<br>100 |                 | ╁┤                | +                | +                | +             | +        | $\dashv$        |     |          | 149<br>150 | $\vdash \vdash$ | +        | $\vdash \vdash$   | +        | +        | ++       | $\dashv$  |  |  |
| ſ            | 1                                                                                                             | <u> </u>   |               |          | لــــــــــــــــــــــــــــــــــــــ |               |              |                   |                              |          | , , , , , | LL              |                   |                  |                  |               |          | السا            | :[  | L        | 1 150      |                 |          |                   |          |          |          |           |  |  |

Application/Control No.

**Index of Claims** 

Applicant(s)/Patent under Reexamination